

L14 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS  
 AN 1989:576193 CAPLUS Full-text  
 DN 111:176193  
 TI Manufacture of phthalocyanine dyes  
 IN Kumagai, Yojiro; Matsumoto, Mansuke  
 PA Yamamoto Kasei K. K., Japan; Mitsui Toatsu Chemicals, Inc.  
 SO Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKOXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01100171	A2	19890418	JP 1987-256187	19871013
PRAI	JP 1987-256187		19871013		

AB Substituent-containing phthalocyanine dyes which absorb in the near-IR region, useful for optical recording materials (e.g., optical disks), are manufactured by cyclizing substituted phthalic acid deriys. in trichlorobenzene in the presence or absence of urea (I). Thus, 3,6-bis(phenylthio)-4,5-dichlorophthalic anhydride was stirred with I, ammonium molybdate, and vanadium oxychloride in 1,3,5-trichlorobenzene under heating, refluxed with MeOH and recrystd. to give 67.7% octa-3,6-phenylthioocta-4,5-dichlorophthalocyanine vanadium oxide, having  $\lambda_{\max}$  (o-dichlorobenzene) 773 nm.

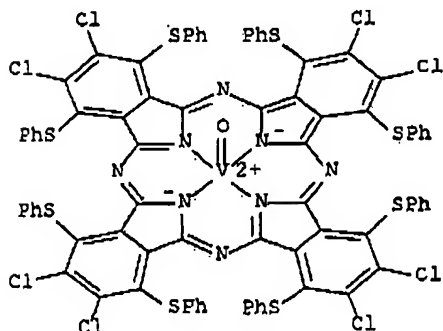
IT 123224-33-9P

RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of, as near IR-absorbing dyes for optical recording materials)

RN 123224-33-9 CAPLUS

CN Vanadium, [2,3,9,10,16,17,23,24-octachloro-1,4,8,11,15,18,22,25-octakis(phenylthio)-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]oxo-, (SP-5-12)- (9CI) (CA INDEX NAME)



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